INSTRUCTIONS–PARTS LIST 308–322

Rev. A

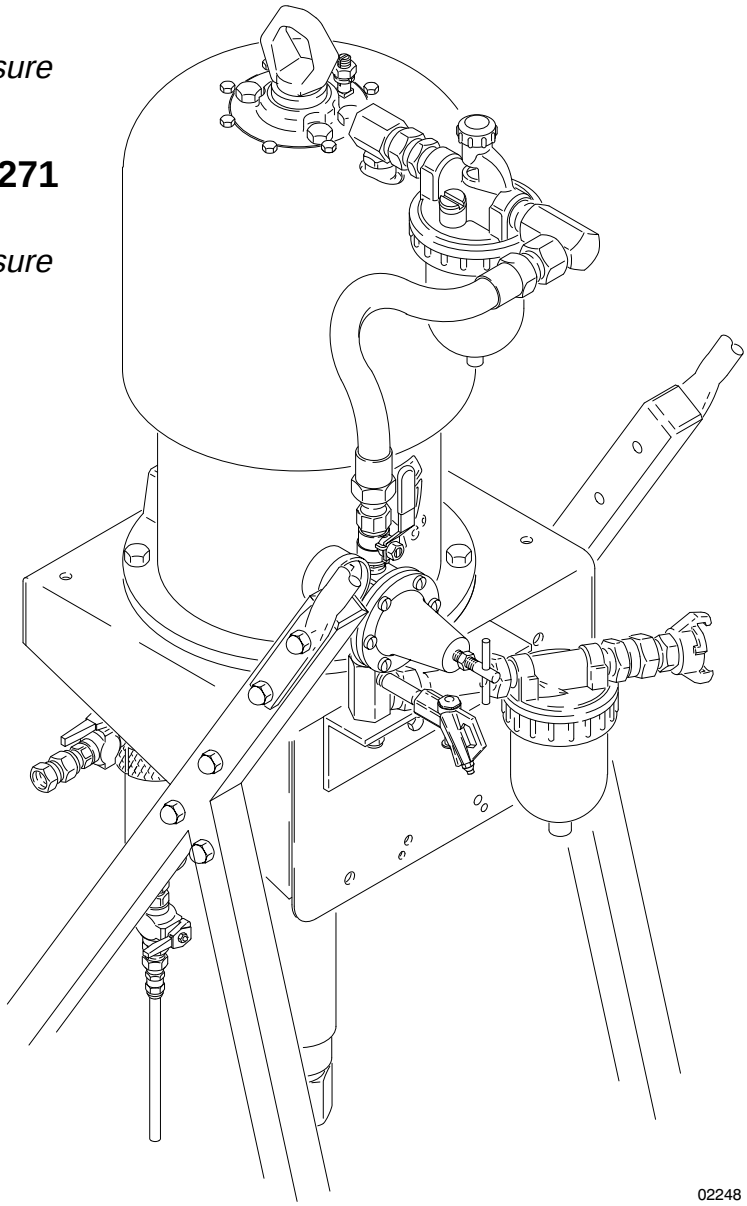
INSTRUCTIONS

This manual contains important warnings and information.
READ AND RETAIN FOR REFERENCE

Upgrade Kit 949–204

For 45:1 Ratio King™ Sprayer 965–333 (see manual 307–666)
4050 psi (280 bar) Maximum Working Pressure
90 psi (6.3 bar) Maximum Air Inlet Pressure

For 63:1 Ratio King™ Sprayer 965–271 (see manual 307–666)
5000 psi (345 bar) Maximum Working Pressure
79 psi (5.4 bar) Maximum Air Inlet Pressure



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Installation

WARNING

Separate manuals are supplied with some components of your sprayer. Read and understand all instruction manuals before operating.

Never exceed the *Maximum Fluid Working Pressure* and *Maximum Air Input Pressure* for these sprayers, given in the **Technical Data** on the back cover. Never exceed the maximum working pressure of the lowest rated component in your system.

Be sure that all fluids and solvents used are chemically compatible with the wetted parts listed in your separate component manuals.

WARNING

If you are installing the kit on a previously operated sprayer, be sure to relieve all system pressure, as directed in the **Pressure Relief Procedure** given in pump manual 307–013 (for 45:1 King Pump) or 307–663 (for 63:1 King Pump).

1. Remove and discard the nut and washer holding the air regulator kit (R) to the cart shelf (C). See Fig. 1.

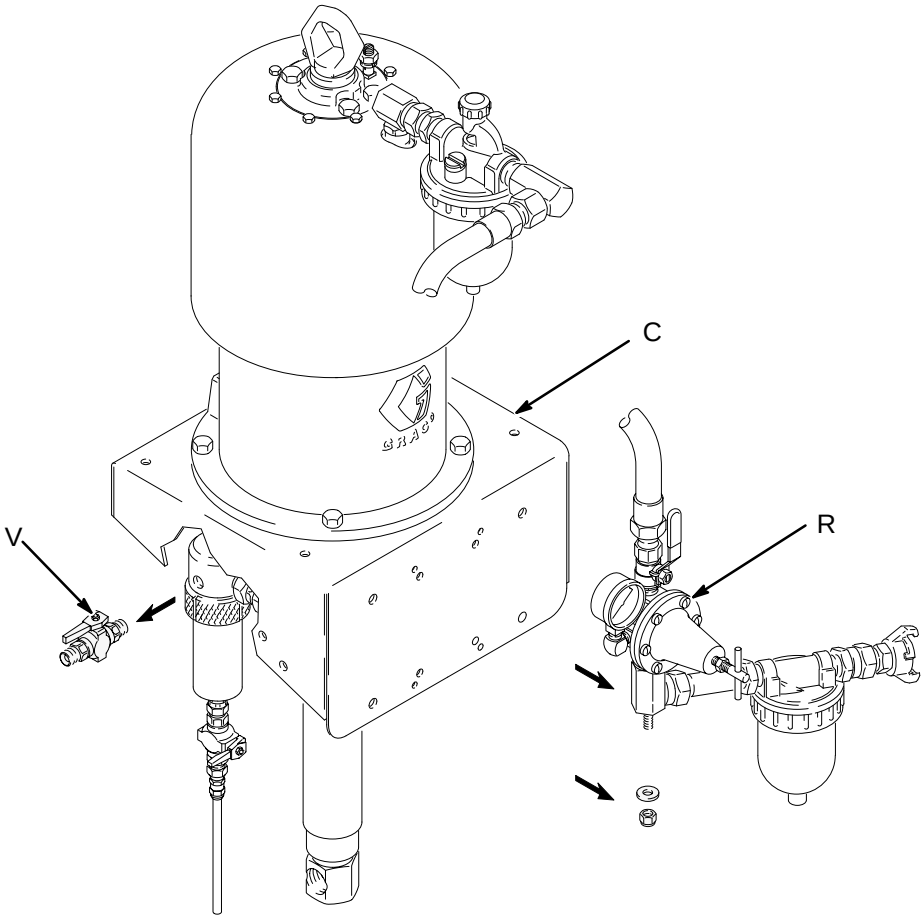


Fig. 1

2. Steps a–c apply to Model 965–333 only. These parts are already installed on Model 965–271.

   a. Remove the 1/4 npt and 1/8 npt pipe plugs from the 90° air manifold (A). See Fig. 2.

   b. Screw the long nipple (10) into the 1/4 npt port. Screw the air blow gun (11) onto the nipple. See the Top View in Fig. 2.

   c. Screw the nipple (12) into the 1/8 npt port. Screw the quick disconnect coupler (13) onto the nipple. See the Top View in Fig. 2.

3. Orient the regulator bracket (6) as shown in Fig. 2 and align its holes with the two centermost holes in the cart shelf (C). Apply thread adhesive (3) to the two screws (7). Install the screws (7), washers (8) and nuts (9) as shown. Tighten securely.

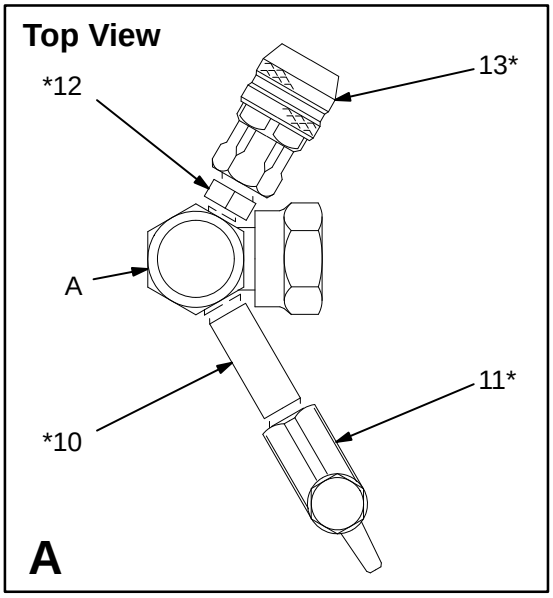
4. Apply thread adhesive (3) to the stud (S) of the air regulator kit (R). Install the stud in the hole of the bracket (6) and secure with the washer (1) and nut (2). Do not use the old nut. Tighten securely.

5. Remove the existing ball valve (V) from the fluid filter (F). See Fig. 1. Install the new valve (5). See Fig. 2. Screw the rigid end of the union (4) onto the valve.

Parts

Ref. No.	Part No.	Description	Qty.
1	100–133	WASHER, spring lock; 3/8”	1
2	101–566	NUT, nylock; 3/8–16	1
3	102–969	ADHESIVE, thread	1
4	156–173	UNION, swivel; 3/8 npt(f) x 3/8 npsm(f); carbon steel	1
5	210–658	VALVE, ball; 3/8 npt(mbe)	1
6	625–710	BRACKET, regulator, King	1
7	100–450	SCREW, cap, hex hd; 5/16–18 x 1” (25 mm)	2
8	100–527	WASHER	2
9	595–757	NUT, stop	2
10*	100–124	NIPPLE; 1/4 npt; 2–1/2” (64 mm)	1
11*	208–625	GUN, air blow	1
12*	151–519	NIPPLE, reducer; 1/4 npt x 1/8 npt	1
13*	208–536	COUPLER, quick disconnect; 1/4 npt(f)	1

* *These parts are included for installation on Model 965–333. These parts are already installed on Model 965–271.*



NOTE: *Shaded parts are included in kit.*

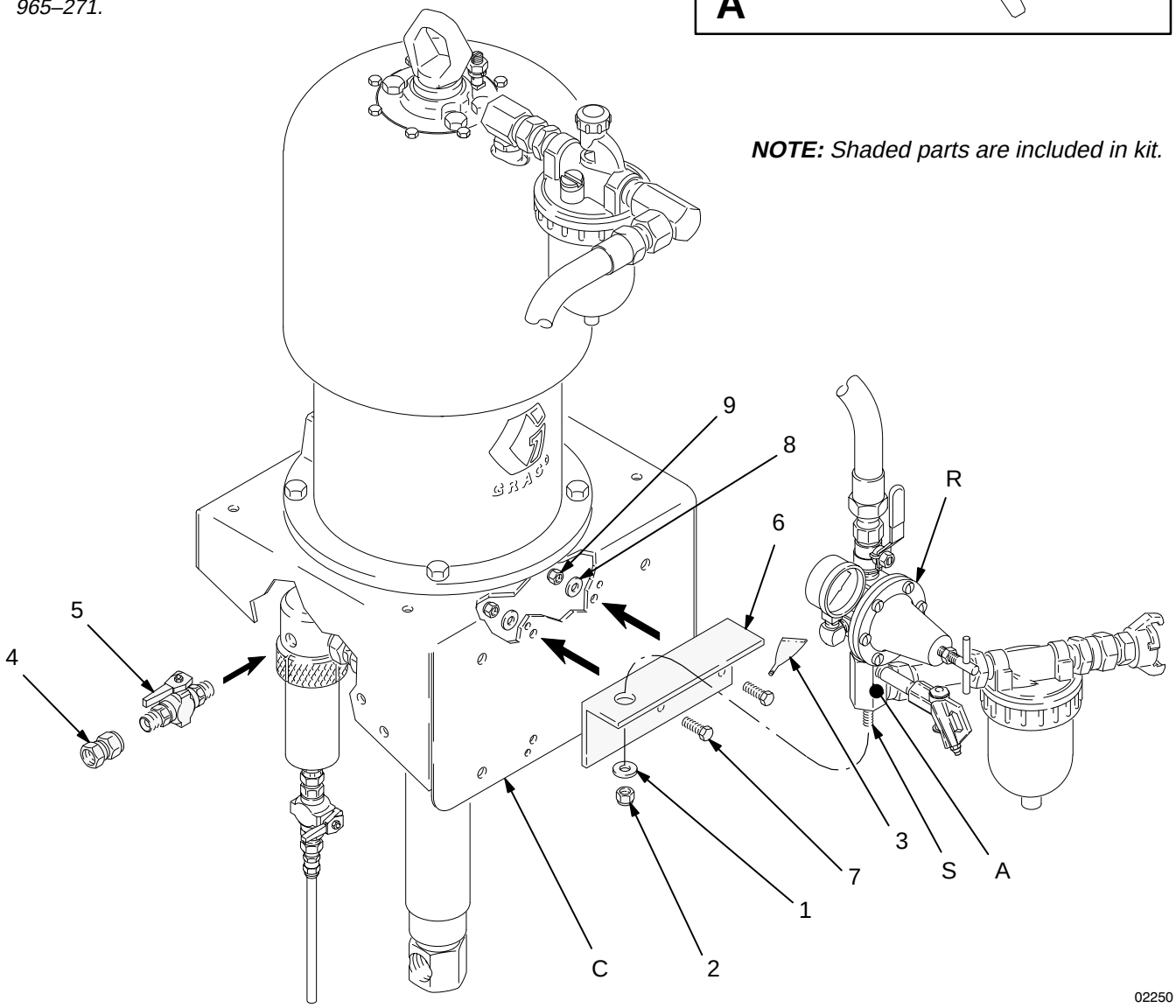


Fig. 2

Technical Data

Ratio	*Model 965–333:* 45:1
	Model 965–271: 63:1
Maximum fluid working pressure	*Model 965–333:* 4050 psi (280 bar)
	Model 965–271: 5000 psi (345 bar)
Maximum air input pressure	*Model 965–333:* 90 psi (6.3 bar)
	Model 965–271: 79 psi (5.4 bar)
Wetted parts	See separate component manuals

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Graco warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

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